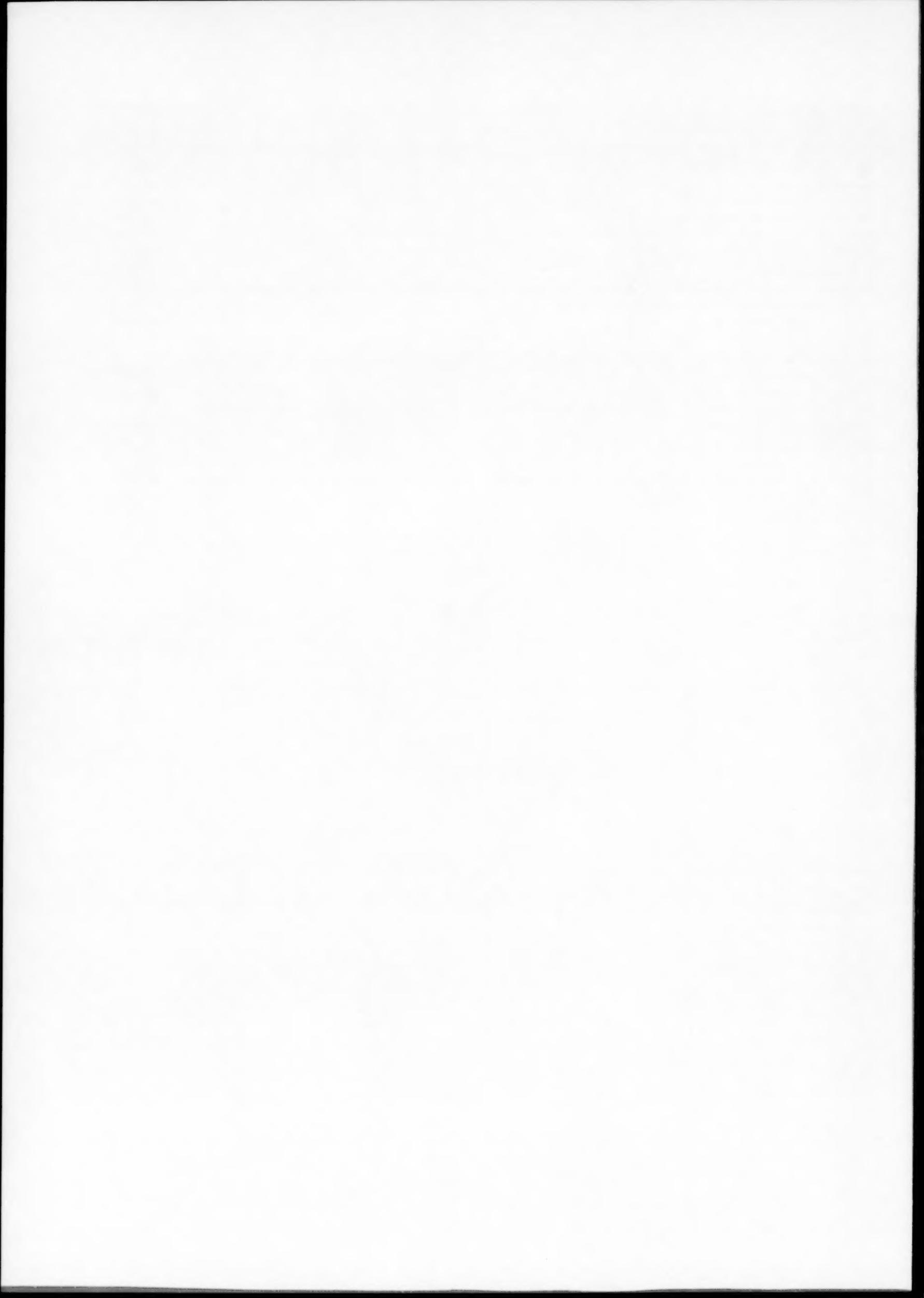


## Author Index Vol. 64 (1999)

|  |               |
|--|---------------|
| Andersson, A., see Wallberg, P.  | 64 (1999) 287 |
| Anima, R., see Fuller, C.C.  | 64 (1999) 7   |
| Anima, R., see Hornberger, M.I.  | 64 (1999) 39  |
| Anima, R., see Hostettler, F.D.  | 64 (1999) 115 |
| Anima, R.J., see Pereira, W.E.   | 64 (1999) 99  |
| Baker, J.M., C.E. Reeves, P.D. Nightingale, S.A. Penkett, S.W. Gibb and A.D. Hatton, Biological production of methyl bromide in the coastal waters of the North Sea and open ocean of the northeast Atlantic |               |
|  | 64 (1999) 267 |
| Baskaran, M., see Fuller, C.C.   | 64 (1999) 7   |
| Baskaran, M., see van Geen, A.   | 64 (1999) 29  |
| Bentaleb, I., J.O. Grimalt, F. Vidussi, J.-C. Marty, V. Martin, M. Denis, C. Hatté and M. Fontugne, The C <sub>37</sub> alkenone record of seawater temperature during seasonal thermocline stratification   | 64 (1999) 301 |
| Bijma, J., see Wolf-Gladrow, D.A.  | 64 (1999) 181 |
| Bijma, J., see Zeebe, R.E.   | 64 (1999) 199 |
| Bouse, R.M., see Ritson, P.I.  | 64 (1999) 71  |
| Capri, S., see Pettine, M.   | 64 (1999) 153 |
| De Leon, R.P., see Venkatesan, M.I.  | 64 (1999) 85  |
| Denis, M., see Bentaleb, I.  | 64 (1999) 301 |
| Duinker, J.C., see Mintrop, L.   | 64 (1999) 315 |
| Emerson, S., C. Stump, D. Wilbur and P. Quay, Accurate measurement of O <sub>2</sub> , N <sub>2</sub> , and Ar gases in water and the solubility of N <sub>2</sub>   |               |
|  | 64 (1999) 337 |
| Farrace, M.G., see Pettine, M.   | 64 (1999) 153 |
| Flegal, A.R., see Ritson, P.I.   | 64 (1999) 71  |
| Fontugne, M., see Bentaleb, I.   | 64 (1999) 301 |
| Fuller, C., see Hornberger, M.I.   | 64 (1999) 39  |
| Fuller, C.C., A. van Geen, M. Baskaran and R. Anima, Sediment chronology in San Francisco Bay, California, defined by <sup>210</sup> Pb, <sup>234</sup> Th, <sup>137</sup> Cs, and <sup>239,240</sup> Pu     | 64 (1999) 7   |
| Fuller, C.C., see van Geen, A.   | 64 (1999) 29  |
| Fuller, C.C., see Pereira, W.E.  | 64 (1999) 99  |
| Fuller, C.C., see Hostettler, F.D.   | 64 (1999) 115 |
| Gibb, S.W., see Baker, J.M.  | 64 (1999) 267 |
| Grimalt, J.O., see Bentaleb, I.  | 64 (1999) 301 |
| Hall, G.E.M., see Pichler, T.  | 64 (1999) 229 |
| Hatté, C., see Bentaleb, I.  | 64 (1999) 301 |
| Hatton, A.D., see Baker, J.M.  | 64 (1999) 267 |
| Herut, B., T. Zohary, R.D. Robarts and N. Kress, Adsorption of dissolved phosphate onto loess particles in surface and deep Eastern Mediterranean water  | 64 (1999) 253 |
| Hornberger, M.I., S.N. Luoma, A. van Geen, C. Fuller and R. Anima, Historical trends of metals in the sediments of San Francisco Bay, California   | 64 (1999) 39  |

|   |               |
|---|---------------|
| Hostettler, F.D., W.E. Pereira, K.A. Kvenvolden, A. van Geen, S.N. Luoma, C.C. Fuller and R. Anima, A record of hydrocarbon input to San Francisco Bay as traced by biomarker profiles in surface sediment and sediment cores | 64 (1999) 115 |
| Hostettler, F.D., see Pereira, W.E.   | 64 (1999) 99  |
| Klein, J., see van Geen, A.   | 64 (1999) 29  |
| Körtzinger, A., see Mintrop, L.   | 64 (1999) 315 |
| Kress, N., see Herut, B.  | 64 (1999) 253 |
| Krest, J.M., W.S. Moore and Rama, $^{226}\text{Ra}$ and $^{228}\text{Ra}$ in the mixing zones of the Mississippi and Atchafalaya Rivers: indicators of groundwater input  | 64 (1999) 129 |
| Kvenvolden, K.A., see Hostettler, F.D.  | 64 (1999) 115 |
| Loder III, T.C., see Mayer, L.M.  | 64 (1999) 171 |
| Luoma, S.N., see van Geen, A.   | 64 (1999) 1   |
| Luoma, S.N., see van Geen, A.   | 64 (1999) 29  |
| Luoma, S.N., see Hornberger, M.I.   | 64 (1999) 39  |
| Luoma, S.N., see van Geen, A.   | 64 (1999) 57  |
| Luoma, S.N., see Ritson, P.I.   | 64 (1999) 71  |
| Luoma, S.N., see Venkatesan, M.I.   | 64 (1999) 85  |
| Luoma, S.N., see Pereira, W.E.  | 64 (1999) 99  |
| Luoma, S.N., see Hostettler, F.D.   | 64 (1999) 115 |
| Manganelli, M., see Pettine, M.   | 64 (1999) 153 |
| Martin, V., see Bentaleb, I.  | 64 (1999) 301 |
| Marty, J.-C., see Bentaleb, I.  | 64 (1999) 301 |
| Mayer, L.M., L.L. Schick and T.C. Loder III, Dissolved protein fluorescence in two Maine estuaries  | 64 (1999) 171 |
| Mintrop, L., A. Körtzinger and J.C. Duinker, The carbon dioxide system in the northwestern Indian Ocean during south-west monsoon   | 64 (1999) 315 |
| Moore, W.S., see Krest, J.M.  | 64 (1999) 129 |
| Nightingale, P.D., see Baker, J.M.  | 64 (1999) 267 |
| Patrolecco, L., see Pettine, M.   | 64 (1999) 153 |
| Penkett, S.A., see Baker, J.M.  | 64 (1999) 267 |
| Pereira, W.E., F.D. Hostettler, S.N. Luoma, A. van Geen, C.C. Fuller and R.J. Anima, Sedimentary record of anthropogenic and biogenic polycyclic aromatic hydrocarbons in San Francisco Bay, California                       | 64 (1999) 99  |
| Pereira, W.E., see Hostettler, F.D.   | 64 (1999) 115 |
| Pettine, M., L. Patrolecco, M. Manganelli, S. Capri and M.G. Farrace, Seasonal variations of dissolved organic matter in the northern Adriatic Sea  | 64 (1999) 153 |
| Pichler, T., J. Veizer and G.E.M. Hall, The chemical composition of shallow-water hydrothermal fluids in Tutum Bay, Ambitle Island, Papua New Guinea and their effect on ambient seawater                                     | 64 (1999) 229 |
| Quay, P., see Emerson, S.   | 64 (1999) 337 |
| Rama, see Krest, J.M.   | 64 (1999) 129 |
| Reeves, C.E., see Baker, J.M.   | 64 (1999) 267 |
| Ritson, P.I., R.M. Bouse, A.R. Flegal and S.N. Luoma, Stable lead isotopic analyses of historic and contemporary lead contamination of San Francisco Bay estuary  | 64 (1999) 71  |
| Robarts, R.D., see Herut, B.  | 64 (1999) 253 |
| Schick, L.L., see Mayer, L.M.   | 64 (1999) 171 |
| Stump, C., see Emerson, S.  | 64 (1999) 337 |
| Tera, F., see van Geen, A.  | 64 (1999) 29  |
| Valette-Silver, N.J., see van Geen, A.  | 64 (1999) 29  |
| Van Geen, A. and S.N. Luoma, The impact of human activities on sediments of San Francisco Bay, California: an overview  | 64 (1999) 1   |
| Van Geen, A., N.J. Valette-Silver, S.N. Luoma, C.C. Fuller, M. Baskaran, F. Tera and J. Klein, Constraints on the sedimentation history of San Francisco Bay from $^{14}\text{C}$ and $^{10}\text{Be}$                        | 64 (1999) 29  |

- Van Geen, A. and S.N. Luoma, A record of estuarine water contamination from the Cd content of foraminiferal tests in San Francisco Bay, California 64 (1999) 57
- Van Geen, A., see Fuller, C.C. 64 (1999) 7
- Van Geen, A., see Hornberger, M.I. 64 (1999) 39
- Van Geen, A., see Venkatesan, M.I. 64 (1999) 85
- Van Geen, A., see Pereira, W.E. 64 (1999) 99
- Van Geen, A., see Hostettler, F.D. 64 (1999) 115
- Veizer, J., see Pichler, T. 64 (1999) 229
- Venkatesan, M.I., R.P. de Leon, A. van Geen and S.N. Luoma, Chlorinated hydrocarbon pesticides and polychlorinated biphenyls in sediment cores from San Francisco Bay 64 (1999) 85
- Vidussi, F., see Bentaleb, I. 64 (1999) 301
- Wallberg, P. and A. Andersson, Determination of adsorbed and absorbed polychlorinated biphenyls (PCBs) in seawater microorganisms 64 (1999) 287
- Wilbur, D., see Emerson, S. 64 (1999) 337
- Wolf-Gladrow, D.A., J. Bijma and R.E. Zeebe, Model simulation of the carbonate chemistry in the microenvironment of symbiont bearing foraminifera 64 (1999) 181
- Wolf-Gladrow, D.A., see Zeebe, R.E. 64 (1999) 199
- Zeebe, R.E., J. Bijma and D.A. Wolf-Gladrow, A diffusion-reaction model of carbon isotope fractionation in foraminifera 64 (1999) 199
- Zeebe, R.E., see Wolf-Gladrow, D.A. 64 (1999) 181
- Zohary, T., see Herut, B. 64 (1999) 253





## Keyword Index Vol. 64, (1999)

- Absorption, 64 (1999) 287  
Accuracy, 64 (1999) 337  
Adriatic Sea, 64 (1999) 153  
Adsorption, 64 (1999) 287  
Air-sea gas exchange, 64 (1999) 267  
Amino acids, 64 (1999) 153  
Analytical methods, 64 (1999) 337  
Anthropogenic, 64 (1999) 99  
Atchafalaya, 64 (1999) 129  
Biomarkers, 64 (1999) 115  
Calcite solution, 64 (1999) 315  
Carbohydrates, 64 (1999) 153  
Carbon dioxide, 64 (1999) 315  
Carbon isotopes, 64 (1999) 199  
 $C_{37}-C_{38}$  alkenones, 64 (1999) 301  
Cd/Ca ratio, 64 (1999) 57  
Chlorinated hydrocarbon pesticides, 64 (1999) 85  
Chlorophyll, 64 (1999) 267  
Contamination, 64 (1999) 71  
Cores, 64 (1999) 39  
Denitrification, 64 (1999) 315  
DIN, 64 (1999) 253  
DIP, 64 (1999) 253  
Dissolved organic matter, 64 (1999) 153  
Dissolved organic matter, 64 (1999) 171  
*Elphidiella hannai*, 64 (1999) 57  
Erosional disturbance, 64 (1999) 29  
Estuaries, 64 (1999) 129  
Estuaries, 64 (1999) 171  
Estuarine contamination, 64 (1999) 1  
Estuary, 64 (1999) 29  
Fluorescence, 64 (1999) 171  
Foraminifera, 64 (1999) 57, 181, 199  
Gas saturation, 64 (1999) 337  
*Globigerinoides sacculifer*, 64 (1999) 181  
Groundwater, 64 (1999) 129  
Hydrocarbons, 64 (1999) 115  
Hydrothermal fluid, 64 (1999) 229  
Indian Ocean, 64 (1999) 315  
Lead, 64 (1999) 71  
Ligurian Sea, 64 (1999) 301  
Loess, 64 (1999) 253  
Maine, 64 (1999) 171  
Mass spectrometry, 64 (1999) 337  
Metals, 64 (1999) 39  
Methyl bromide, 64 (1999) 267  
Microbial food web, 64 (1999) 287  
Mississippi, 64 (1999) 129  
Mixing model, 64 (1999) 129  
Monsoon, 64 (1999) 315  
Nitrogen, 64 (1999) 301  
*Orbulina universa*, 64 (1999) 181  
Paleoceanography, 64 (1999) 199  
Particulate pigments, 64 (1999) 301  
PCB, 64 (1999) 287  
*Phaeocystis*, 64 (1999) 267  
Pigments, 64 (1999) 267  
Polychlorinated biphenyls, 64 (1999) 85  
Polychlorinated biphenyls, 64 (1999) 287  
Polycyclic aromatic hydrocarbon, 64 (1999) 99  
Precision, 64 (1999) 337  
Protein, 64 (1999) 171  
Radioisotope profiles, 64 (1999) 7  
Radium, 64 (1999) 129  
San Francisco Bay, 64 (1999) 1, 7, 39, 85, 115  
San Francisco Bay estuary, 64 (1999) 71  
Sea water, 64 (1999) 199  
Sea water carbonate system, 64 (1999) 181  
Seawater composition, 64 (1999) 229  
Seawater temperature, 64 (1999) 301  
Sediment, 64 (1999) 1, 115  
Sedimentation rate, 64 (1999) 29  
Sediment chronology, 64 (1999) 7  
Sediment cores, 64 (1999) 85, 99  
Shallow water, 64 (1999) 229  
Sulphur, 64 (1999) 267  
Thermocline stratification, 64 (1999) 301  
Total organic carbon, 64 (1999) 301  
Tutum Bay, Papua New Guinea, 64 (1999) 229

